

ABSTRACT

The present invention provides a method of growing spermatogonial stem cells of mammals and the like *in vitro*, which is characterized in that glial cell-derived neurotrophic factor (GDNF) or an equivalent thereto, and leukemia inhibitory factor (LIF) are contained in a medium (culture broth) for culturing spermatogonial stem cells.

According to the method of the present invention, spermatogonial stem cells can be grown *in vitro* to the extent that enables use thereof for developmental engineering.